

## A B S T R A C T

## A MULTICELLULAR DC/DC VOLTAGE CONVERTER WITH PROTECTION SWITCHES

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A DC/DC voltage converter between a high-voltage electrical network and a low-voltage electrical network comprises a plurality of cells (100, 200, ..., 600) connected in parallel. Each cell (100, 200, ..., 600) comprises a chopper DC/DC converter and a single protection transistor (13, 23, ..., 63) preferably connected in a high-voltage portion of the converter and enabling said cells to be taken out of service independently of the other cells while minimizing power consumption in normal operation.

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